# Back & Front

Write a program that input integers to add to a list, then show it on the screen

There are 3 set of integers data, input in order. Each set will come in different form

1. First set – The first line is a single integer N that represents how many number in the first data set, then the next N lines are first set data, each line has a single number.

2. Second Set – The list of number data, from left to right, and separated by space.

3. Third Set – Ongoing line of number data, end with -1 number (represent the end point of the data set, it won't be in the list)

Adding data in to the list from the back first, then the front, then the back, then so on.

# Input

As stated above

# Output

Show a final list on screen with function **print(**List Name**)**

# Example

| Input (from keyboard) | Output (on screen) |
| --- | --- |
| 4 <br> 1 <br> 2 <br> 3 <br> 4     **Set 1** <br> 11 12 13 14 15    **Set 2** <br> 21 <br> 22 <br> 23     **Set 3** <br> 24 <br> 25 <br> -1 | [25, 23, 21, 14, 12, 4, 2, 1, 3, 11, 13, 15, 22, 24] |
| 0 <br> 1 2 3 4 5 6 <br> -1 | [6, 4, 2, 1, 3, 5] |
| 6 <br> 1 <br> 2 <br> 3 <br> 4 <br> 5 <br> 6 <br> -1 | [6, 4, 2, 1, 3, 5] |
| 0 <br> 1 <br> 2 <br> 3 <br> 4 <br> 5 <br> 6 <br> -1 | [6, 4, 2, 1, 3, 5] |
| 0 <br> -1 | [] |